Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Wednesday 27 Sep 2023 until 23:59 on Thursday 28 Sep 2023

Forecast Issued on Wednesday 27 Sep 2023 at 04:01

Confidence: High confidence in Storm Agnes bringing strong winds and some heavy rain on Wednesday.

Headline for Wednesday 27 Sep 2023: Increasingly wet and windy with gale force winds and heavy outbreaks of rain.

Mountain weather hazards on Wednesday 27 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Heavy Rain	Heavy rain showers	Heavy Rain	Heavy Rain
Precipitation probability					
10%	20%	80%	80%	80%	70%

Forecast for Wednesday 27 Sep 2023

Weather: A cloudy but largely dry start. Outbreaks of rain into the late morning however as Storm Agnes arrives from the west. Rain turning increasingly heavy and showery into the afternoon with best of any drier spells across sheltered eastern areas. Winds steadily increasing through the day with the strongest winds peeking into the evening. Gale force southerly gusts likely over the peaks.

Chance of cloud-free hill tops above 600m: 80% for much of the day, becoming 60% for a time early afternoon.

Low Cloud and visibility: Cloud bases generally above all but the highest tops, but scattered to broken bases down to 400-500m developing from the late morning for a time as the rain sets in. Good visibility in the early morning becoming moderate to poor in rain and very poor in cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Wednesday 27 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 SE	17/21 SE	20/28 SE	25/36 SE	33/46 S	36/51 S	36/52 SW
300	4/14 S	10/23 SE	13/28 SE	16/36 SE	21/44 S	23/47 S	25/49 SW
Valley	4/9 E	6/16 SE	13/28 SE	16/37 SE	21/46 SE	21/46 S	22/47 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/6	10/6	10/7	12/8	13/8	10/6	11/6
300	10/9	13/11	13/11	14/12	15/11	13/9	13/9
Valley	11/11	14/13	14/12	16/13	16/12	14/11	15/11
Freezing Level*	1800m	2200m	2500m	2600m	2600m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some poor conditions likely on the hills with very strong winds, up to severe gales possible, locally stronger than what is mentioned in the tables above over peaks and ridges.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Wed 27 Sep 2023	0.4mm	0.4mm	8.4mm

Forecast for Thursday 28 Sep 2023

Weather: Cloudy start with remaining showers easing and clearing during the morning. Thursday then mostly fine but windy and thickening cloud is likely to bring further rain from the south and west in the evening period.

Maximum wind: South-westerly 35-40mph gusting 45-55mph to start, easing somewhat during the day.

Chance of cloud-free hill tops above 600m: 60% becoming 90% by the afternoon.

Low Cloud and visibility: Scattered to broken bases around 500-600m initially, otherwise cloud generally remaining above summits. Generally good visibility until later rain arrives.

Temperature: **Valleys:** Plus 8 Celsius becoming plus 16 Celsius.
At 600m: Plus 7 Celsius becoming plus 12 Celsius.
Freezing level: Well above summits.

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